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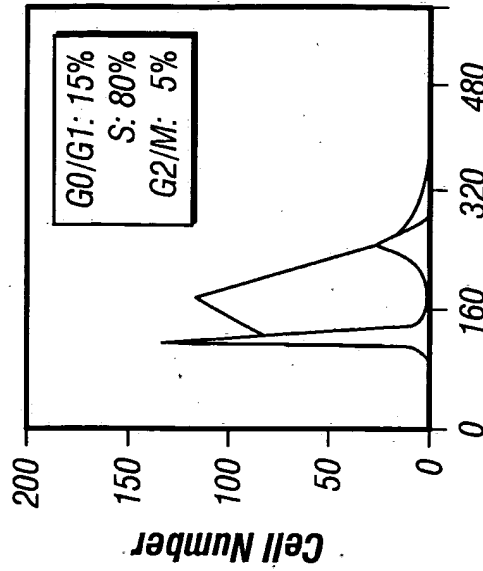


FIG. 1C

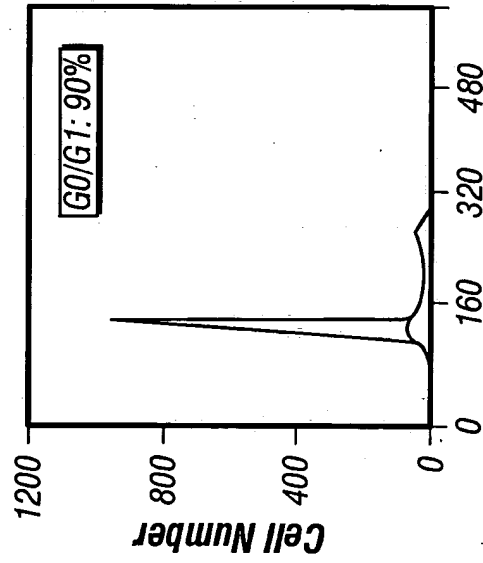


FIG. 1B

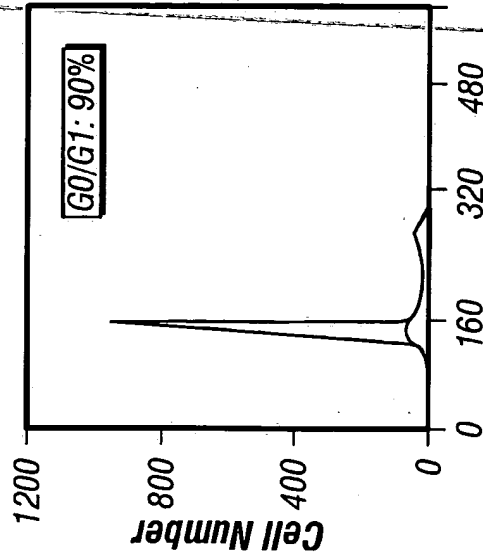


FIG. 1A



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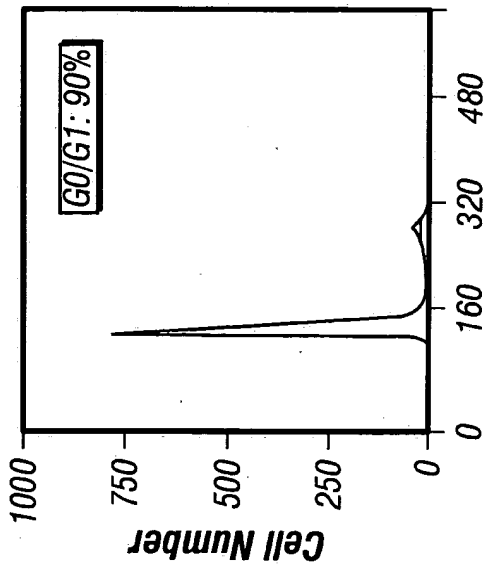


FIG. 1F

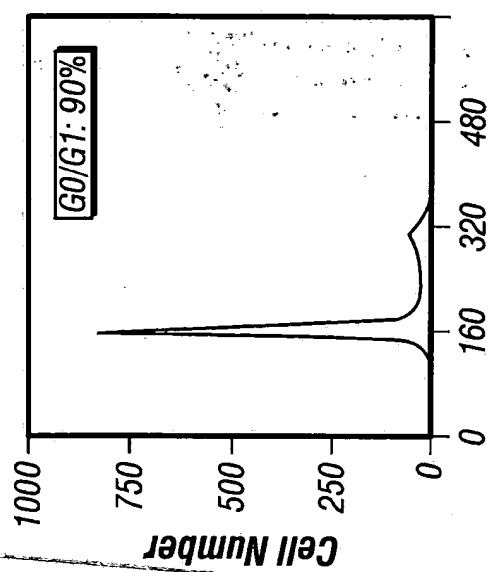


FIG. 1E

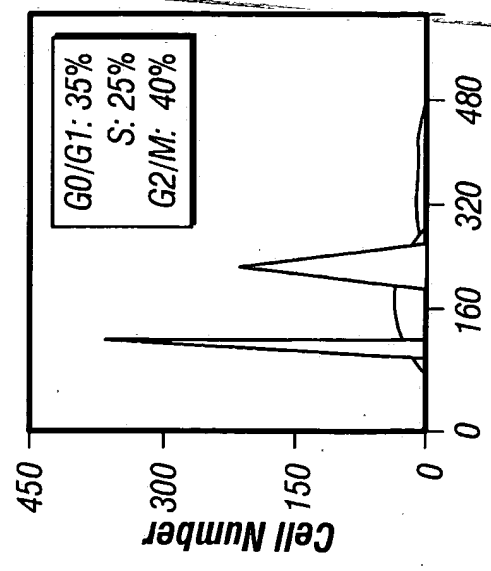


FIG. 1D

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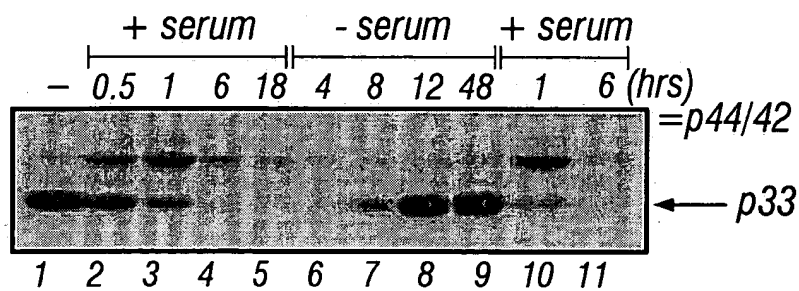


FIG. 1G

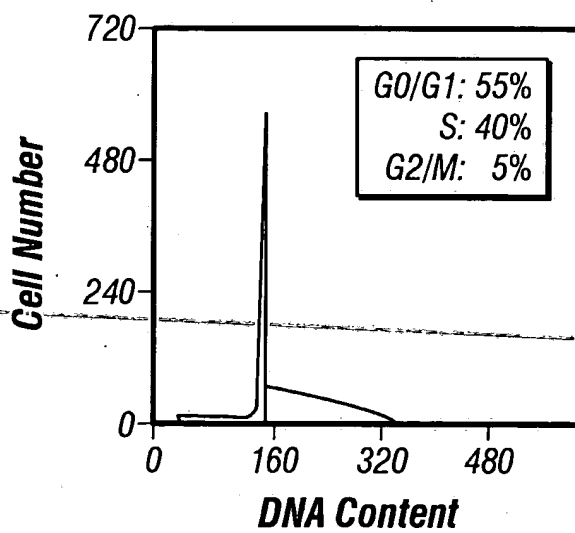


FIG. 2A

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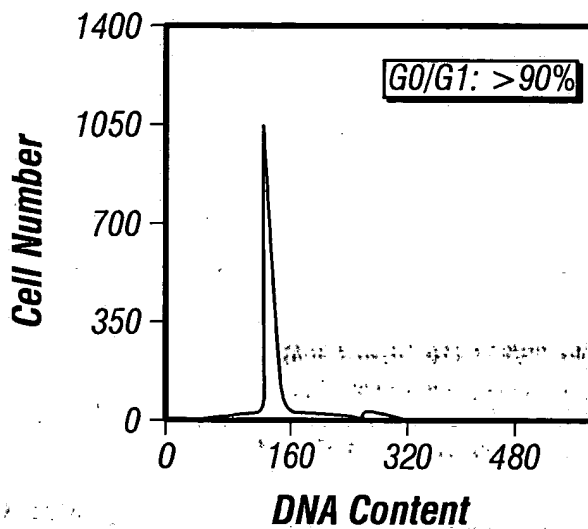


FIG. 2B

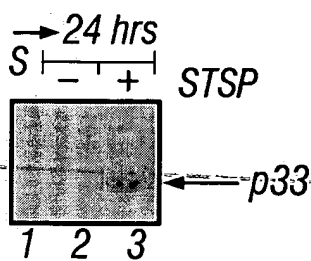


FIG. 2C

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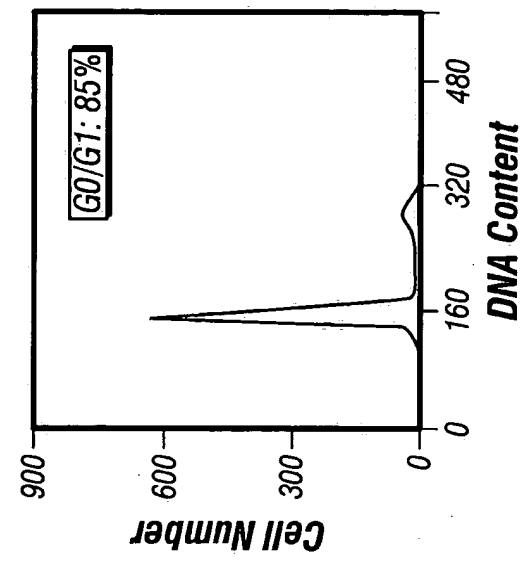


FIG. 3C

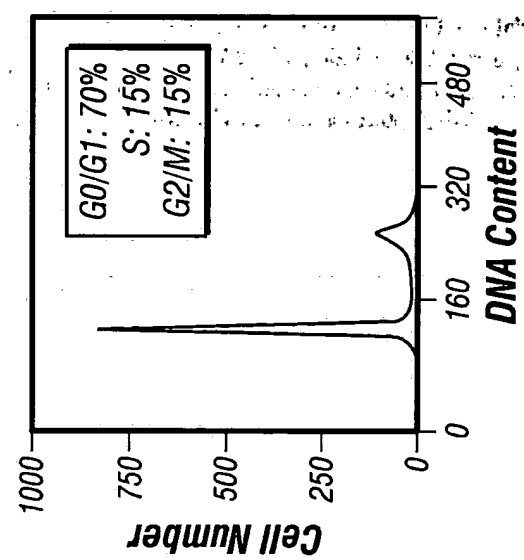


FIG. 3B

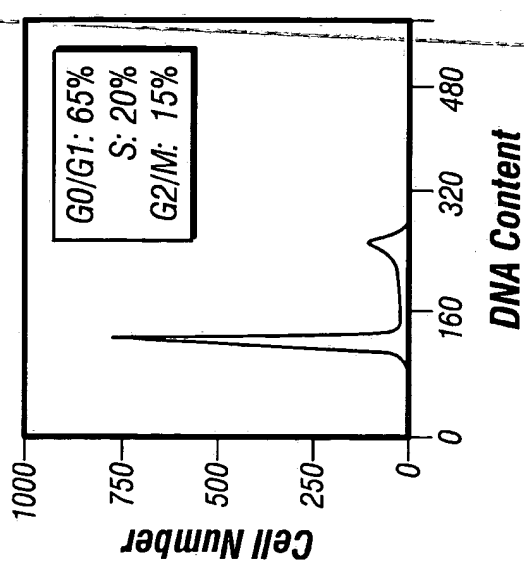


FIG. 3A

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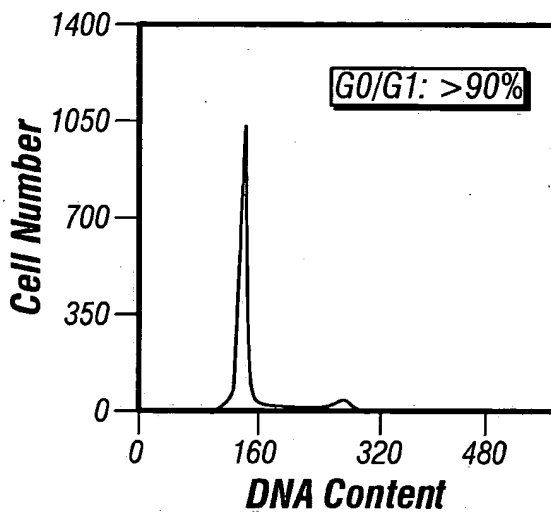


FIG. 3D

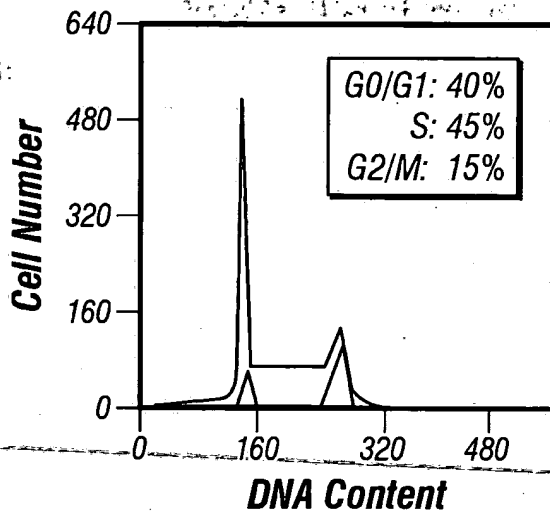


FIG. 3E

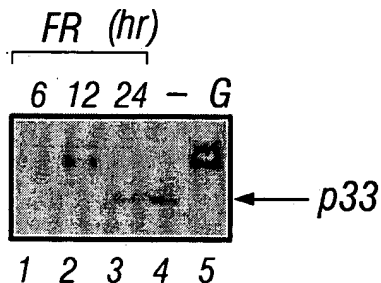


FIG. 3F

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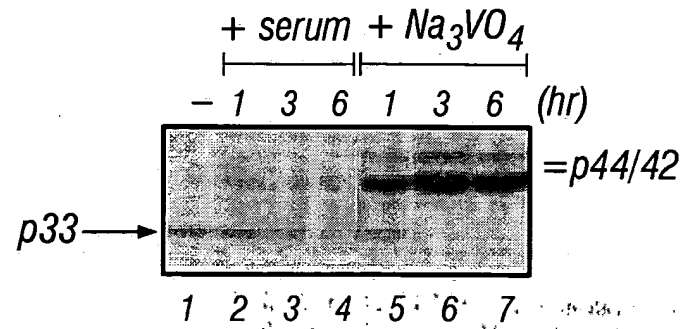


FIG. 4

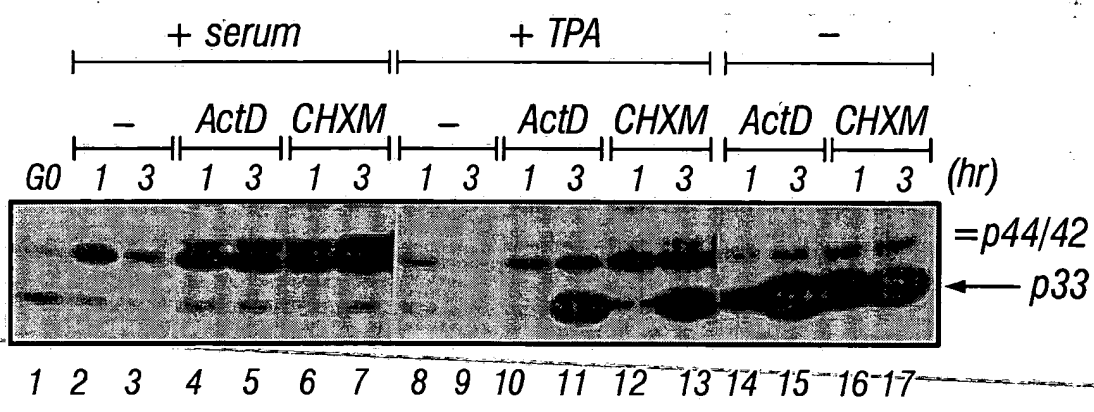


FIG. 5

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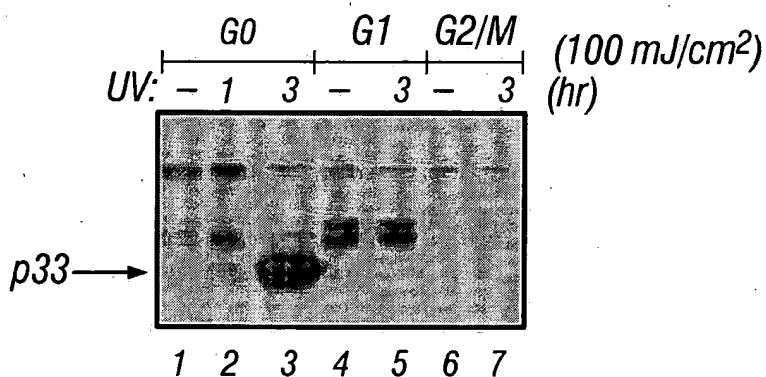


FIG. 6A

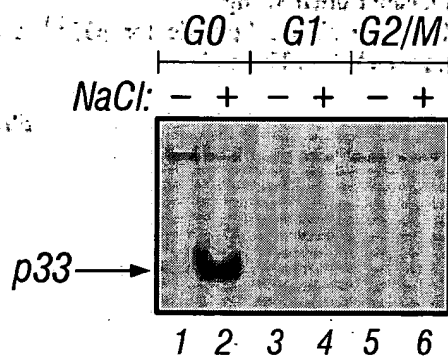


FIG. 6B

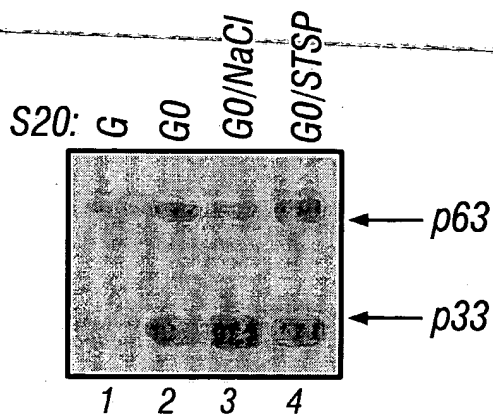


FIG. 7A

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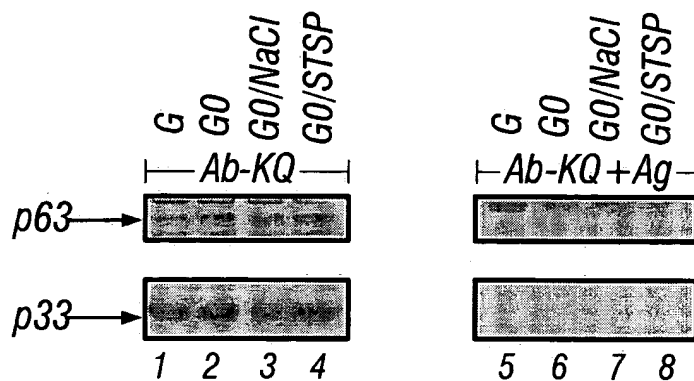


FIG. 7B

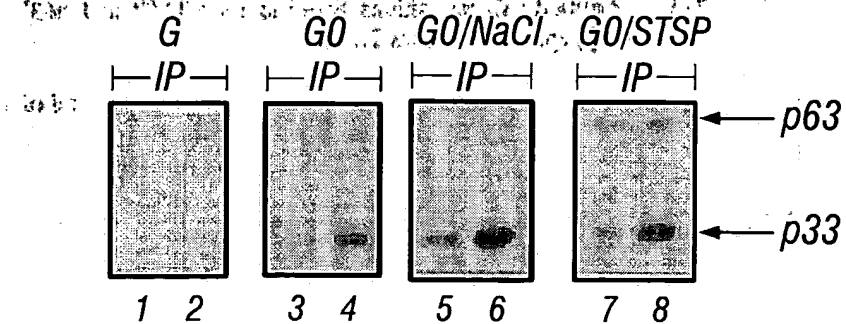


FIG. 7C

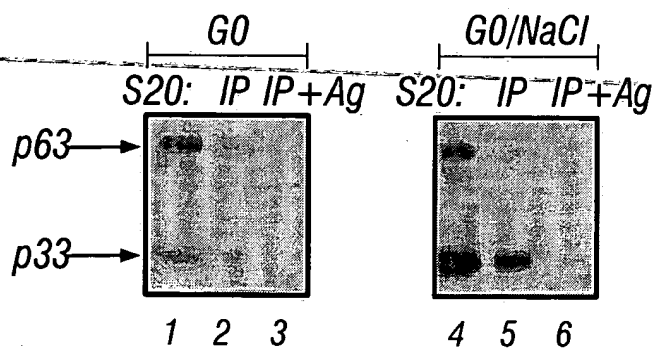


FIG. 7D

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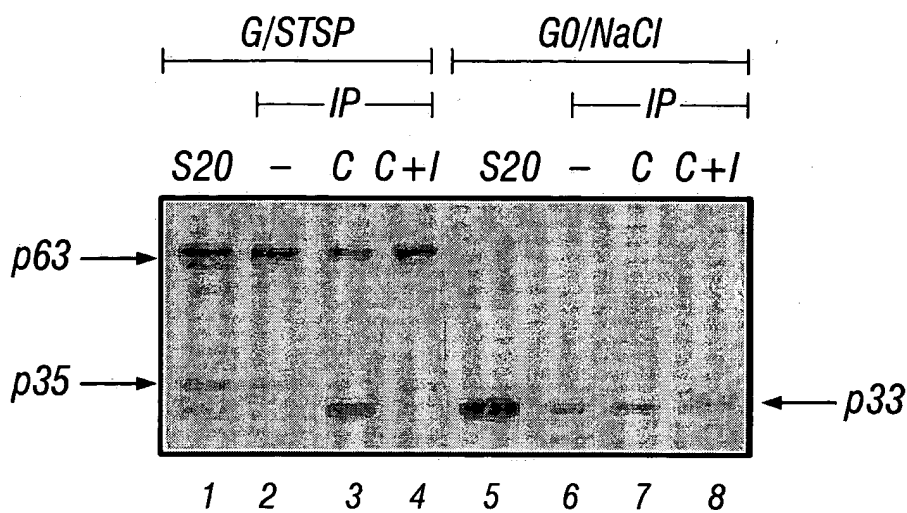


FIG. 8

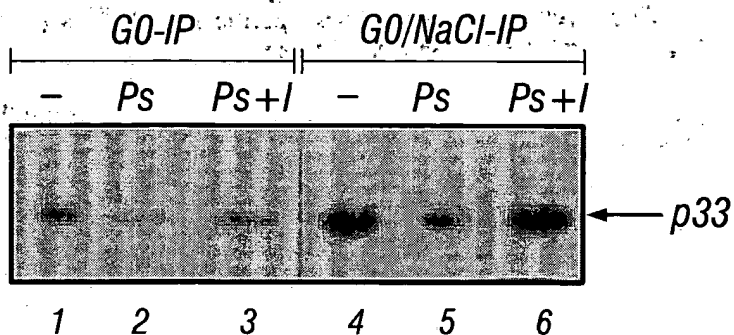


FIG. 9

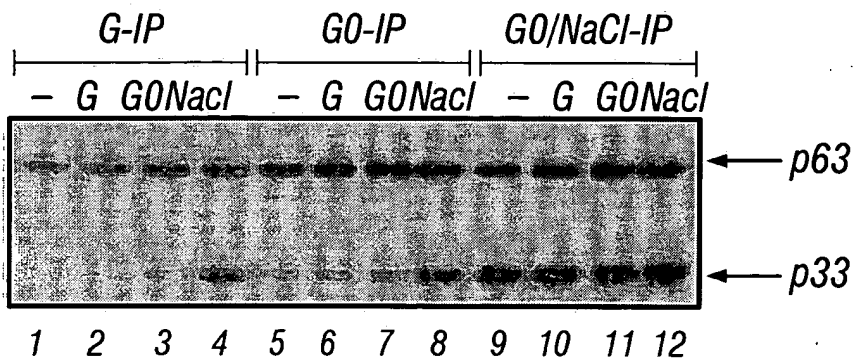


FIG. 10

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Human p63Krs1/SAMK gene and encoded sequence

1. atggagcagccgcccgcctaaagagtaaaactaaaaagctgagtgaagacagtttgactaagcgcctgaagaa
1. M E Q P P A P K S K L K L S E D S L T K Q P E E
76. gtttttgatgtattagagaagcttgagaaagggtcttatggaagtgtatttaaagcaatacacaaaggaatccggg
26. V F D V L E K L G E G S Y G S V F K A I H K E S G
151. caagttgtcgcaattaaacaagtacctgttgaaatcagatcttcaggaaataatcaagaaatttccataatgcag
51. Q V V A I K Q V P V E S D L Q E I I K E I S I M Q
226. caatgtgacagcccatatgttgtaaagtactatggcagttattttaagaatacacagacctctggattgttatggag
76. Q C D S P Y V V K Y Y G S Y F K N T D L W I V M E
301. tactgtggcgtggctctgtctcagacataaattagattacgaaacaagacattaatagaagatgaaattgcaacc
101. Y C G A G S V S D I I R L R N K T L I E D E I A T
376. attcttaaatctacattgaaggactagaatatatttgcactttatgagaaaaatacacagagataataaaagctgga
126. I L K S T L K G L E Y L H F M R K I H R D I K A G
451. aatattctcctcaatacagaaggacatgcaaaaattggcagatttttgagtggtggtcagttacagatacaatg
151. N I L L N T E G H A K L A D F G V A G Q L T D T M

FIG. 11A

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526. gcaaaacgcaatactgtaataaggaaactccatttttgatggctcctgaggtgattcaagaaataggctataactgt
176. A K R N T V I G T P F W M A P E V I Q E I G Y N C

601. gtgccgacatctggtcccttgccattacttctatagaaatggctgaaggaaaacctcttatgctgatatcat
201. V A D I W S L G I T S I E M A E G K P P Y A D I H

676. ccaatgagggtatttttatgattcccaaaatccaccacaacattcagaaagccagaactttggtccgatgat
226. P M R A I F M I P T N P P P T F R K P E L W S D D

751. ttcaccgattttgttaaaaagtgtttgtgaagaatcctgagcagagagctactgcaacacaaacttttacagcat
251. F T D F V K K C L V K N P E Q R A T A T Q L L Q H

826. ccttttatcaagaatgccaaacctgtatcaatattaagagacctgatcacagaagctatggagatcaaagctaaa
276. P F I K N A K P V S I L R D L I T E A M E I K A K

901. agacatgacgaacagcaacgagaattggaagaggaagaagaaattcggtatgaagatgagctggattccccacacc
301. R H D E Q Q R E L E E E E N S D E D E L D S H T

976. atggtgaagactagtgtgggagagtgtggcaccatgcgggccacacacgatgagtgaagggccagaccatg
326. M V K T S V G E C G T M R A T S T M S E G A Q T M

FIG. 11B



1051. attgaacataatagcacgatgttggaatccgacttgggaccatggtgataaacagtgaggatgaggaagaagaa
 351. I E H N S T M L E S D L G T M V I N S E D E E E E

 1126. gatggaactatgaaaaaagtgaacctcaccacaagTacaagaccatctttcatggactactttgataagcaa
 376. D G T M K R N A T S P Q V Q R P S F M D Y F D K K Q

 1201. gacttcaagaataagatcacgaaaactgtaatcagaacatgcatgaacccttccctatgtccaaaaacgttttt
 401. D F K N K S H E N C N Q N M H E P F P M S K N V F

 1276. cctgataaactggaaaagttcctcaagatggagactttgactttttgaaaaatctaagtttagaagaactacagatg
 426. P D N W K V P Q D G D F D F L K N L S L E E L Q M

 1351. cggttaaaagcactggaccccatgatggaacgggagatagaagaacttcgtcagagatacactgcgaaaaagacag
 451. R L K A L D P M M E R E I E E L R Q R Y T A K R Q

 1426. cccattctggatgcgatggatgcaaaagaaagcagcaaaacttt tga 1476 (SEQ ID NO:1)
 476. P I L D A M D A K K R R Q Q N F 491 (SEQ ID NO:2)

Bold: predicted region of p33/36 in the Krs1 gene product, underline: antigen peptides

FIG. 11C